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(54) OPTICAL MATERIAL

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(57) Abstract:

PURPOSE: To make it possible to form an optical material having excellent optical properties, low hygroscopicity and good heat resistance, by using a polymer obtained by hydrogenating a polymer of a compound of a specified structural formula or a polymer obtained by copolymerizing this compound with another copolymerizable monomer.

CONSTITUTION: This optical material is formed by hydrogenating a polymer of at least one compound of formula I or a polymer obtained by polymerizing this compound with another copolymerizable monomer. In formula I, A and B are each a hydrogen atom or a 1W10C hydrocarbon group, X and Y are each a hydrogen atom, a 1W10C hydrocarbon group or a halogen atom or a halogenated 1W10C hydrocarbon group or the like, and m is 0 or 1. Examples of said copolymerizable monomers include a monomer which can be polymerized through ring opening by a metathesis catalyst and a partially polymerized low-MW polymer having a C-C double bond in the main chain.

